

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605803A Technical Information Activities						
<i>COST (In Thousands)</i>	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	15795	16006	15973	16330	16418	16674	18243	19087	Continuing	Continuing
DC16 Field Assistance in Science and Technology	2420	2715	2650	2644	2704	2762	3013	3227	Continuing	Continuing
DC18 Board on Army Science and Technology	629	697	730	740	751	762	816	856	Continuing	Continuing
M720 Technical Information Functional Activities	2761	2948	2872	2929	2997	3064	3308	3509	Continuing	Continuing
M727 Technical Information Activities	3353	2753	2941	3104	3120	3174	3443	3646	Continuing	Continuing
M729 Youth Science Activities	2111	2075	2230	2267	2310	2349	2512	2609	Continuing	Continuing
M735 Net Assessment Directorate	0	795	773	769	767	764	780	797	Continuing	Continuing
D730 Personnel and Training Analysis Activities	1755	2062	2060	2199	2244	2292	2406	2481	Continuing	Continuing
M733 Acquisition Technology Act	2766	1961	1717	1678	1525	1507	1965	1962	Continuing	Continuing
<p>A. <u>Mission Description and Budget Item Justification:</u> This program provides for upgrading the accuracy, timeliness, availability, and accessibility of scientific, technical, and management information at all levels of Army Research and Development (R&D). This includes initiatives to improve information derivation, storage, access, display, validation, transmission, distribution, and interpretation. This program addresses the need to increase the competitiveness and availability of scientific, engineering, and technical skills in the DoD and National workforce. It accomplishes this through outreach programs that provide direct working experience for high school students in Army laboratories, thereby exposing these students to the working world of science and engineering. Funding under this program provides for the conduct of analyses, using behavioral science-based analytic tools, to provide policy and decision makers with soldier oriented recommendations concerning manpower, personnel and training issues. This program also provides for science advisors to Commanders-in-Chief (CINCs) and major Army commands and engineering teams to directly solve field Army technical problems. Coordination of this program with other Services is achieved through interservice working groups. The work in this program element is consistent with rigorous peer review and the Army Science and Technology Master Plan (ASTMP). These programs are accomplished under the management of the Army Research Laboratory, the Army Materiel Command, the Army Research Office, the Army Research Institute, the Army Corps of Engineers and the Information Management Office.</p>										
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BUDGET ACTIVITY

6 - Management and Support

PE NUMBER AND TITLE

0605803A Technical Information Activities

B. Program Change Summary	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (<u>FY 1999</u> PB)	14673	16251	16189	16634
Appropriated Value	15451	16251		
Adjustments to Appropriated Value				
a. Congressional General Reductions	-778	-245		
b. SBIR / STTR	-351			
c. Omnibus or Other Above Threshold Reductions	-116			
d. Below Threshold Reprogramming	+790			
e. Rescissions				
f. DoD Internal Reprogramming	+800			
Adjustments to Budget Years Since <u>FY 1999</u> PB			-216	-304
Current Budget Submit (<u>FY 2000 / 2001</u> PB)	15796	16006	15973	16330

Change Summary Explanation: Funding: FY 1998 – DoD internal reprogramming transferred +800K from the Defense Health Program to the Army's Technical Information Activities Program

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BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605803A Technical Information Activities				PROJECT DC16		
COST (In Thousands)	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
DC16 Field Assistance in Science and Technology	2420	2715	2650	2644	2704	2762	3013	3227	Continuing	Continuing
<p><u>Mission Description and Justification:</u> This program focuses Army Materiel Command (AMC) resources to rapidly identify and solve field Army technical problems affecting improved readiness, safety, training, and operations and support (O&S) cost reductions. The Commanding General, AMC, institutionalized AMC Field Assistance in Science and Technology (FAST) in 1988 to plan for and allocate all AMC FAST program funding for projects to support CINCs and commanders and to operate the director's office. FAST tours provide major professional growth for scientists and engineers. Science advisers are recruited from AMC engineering centers to serve Commanders-in-Chief (CINCs) and major Army commanders worldwide and are supported by assigned Quick Reaction Coordinators (QRCs) within each AMC engineering center. All costs associated with science advisor assignments are funded by AMC subordinate commands that supply the science advisers for two to three year tours. FAST manages a level of effort type project with most projects recouping many times their cost in O&S cost savings.</p> <p>FY 1998 Accomplishments:</p> <ul style="list-style-type: none"> • 2420 Executed S&T programs to provide rapid technological solutions to materiel problems, prioritized by CINCs worldwide. Specific examples follow. <ul style="list-style-type: none"> -Conducted AMC/FORSCOM Technology Applications Conference at FT. Bragg, NC which identified near term solutions to improve operational readiness. -Led major range modernization initiatives for 7th Army Training Command, Grafenwoehr, Germany. -Exploited numerous technology enhancements for Special Forces community. -FAST developed Joint Sphere of Security (JSOS) force protection assessment tools incorporated into a Defense Technology Objective (DTO). -Science advisors deployed to Bosnia and Macedonia for Force Protection initiatives and to Latin America on humanitarian demining and counter narcotics efforts. - Provided professional growth opportunity for 20 science advisers on two year and three year tours and FAST-junior scientists and engineers on two to eight week tours. - Provided professional growth opportunity for civilian personnel participating in the Scientists and Engineers Field Experience With Soldiers (SEFEWS) program, which gives scientists and engineers the opportunity to observe training events in the field. <p>Total 2420</p> <p>FY 1999 Planned Program:</p> <ul style="list-style-type: none"> • 2650 - Provide continuous activity on over 100 FAST projects. Define, test and recommend technological solutions to materiel problems identified by CINCs worldwide and prepare operational needs statements and test results for the highest priority programs. - Provide professional growth opportunity for 20 science advisers on two year and three year tours and FAST Junior scientists and engineers on two to eight week tours. 										
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BUDGET ACTIVITY 6 - Management and Support	PE NUMBER AND TITLE 0605803A Technical Information Activities	
PROJECT DC16		
<p>FY 1999 Planned Program: (continued)</p> <ul style="list-style-type: none"> - Provide professional growth opportunity for civilian personnel participating in the Scientists and Engineers Field Experience With Soldiers (SEFEWS) program. • 65 - Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs <p>Total 2715</p> <p>FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • 2650 - Provide continuous activity on over 100 FAST projects. Define, test and recommend technological solutions to materiel problems identified by CINCs worldwide and prepare operational needs statements and test results for the highest priority programs. - Provide professional growth opportunity for 20 science advisers on two year and three year tours and FAST Junior scientists and engineers on two to eight week tours. - Provide professional growth opportunity for civilian personnel participating in the Scientists and Engineers Field Experience With Soldiers (SEFEWS) program. <p>Total 2650</p> <p>FY 2001 Planned Program:</p> <ul style="list-style-type: none"> • 2644 - Provide continuous activity on over 100 FAST projects. Define, test and recommend technological solutions to materiel problems identified by CINCs worldwide and prepare operational needs statements and test results for the highest priority programs. - Provide professional growth opportunity for 20 science advisers on two year and three year tours and FAST Junior scientists and engineers on two to eight week tours. - Provide professional growth opportunity for civilian personnel participating in the Scientists and Engineers Field Experience With Soldiers (SEFEWS) program. <p>Total 2644</p>		
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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605803A Technical Information Activities				PROJECT DC18		
<i>COST (In Thousands)</i>	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
DC18 Board on Army Science and Technology	629	697	730	740	751	762	816	856	Continuing	Continuing

Mission Description and Justification: The Board on Army Science and Technology (BAST) was created in 1982 by the National Research Council (NRC) through its Commission on Engineering and Technology Systems at the request of the Under Secretary of the Army. The BAST designs, conducts, and supervises the NRC's Army-related studies of scientific and technological issues. As such, the BAST defines problems, brings together leading experts to study them, and most importantly, draws conclusions, identifies alternatives and implications, and makes recommendations as appropriate. The major activities of this group include board meetings, special requests, standing committees, study committees and workshops and seminars.

FY 1998 Accomplishments:

- 629 - Provided technical expert support for forecast of Army science and technology needs and responded to immediate science and technology requirements.
- Provided experts to participate in peer reviews for annual ILIR and RDA awards review.
- Completed BAST studies on "Compact Power" and "Logistics Demand".

Total 629

FY 1999 Planned Program:

- 679 - Provide technical expert support for forecast of Army science and technology needs and respond to immediate science and technology requirements.
- Provide experts to participate in peer reviews for annual ILIR and RDA awards review.
- 18 - Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs

Total 697

FY 2000 Planned Program:

- 730 - Provide technical expert support for forecast of Army science and technology needs and respond to immediate science and technology requirements.
- Provide experts to participate in peer reviews for annual ILIR and RDA awards review.

Total 730

Project DC18

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<div> <div>BUDGET ACTIVITY</div> <div>6 - Management and Support</div> </div>	<div> <div>PE NUMBER AND TITLE</div> <div>0605803A Technical Information Activities</div> </div>	<div> <div>PROJECT</div> <div>DC18</div> </div>
<div> <div>FY 2001 Planned Program:</div> <div> <div> <div>•</div> <div>740</div> <div>- Provide technical expert support for forecast of Army science and technology needs and respond to immediate science and technology requirements.</div> </div> <div> <div>- Provide experts to participate in peer reviews for annual ILIR and RDA awards review.</div> </div> </div> <div> <div>Total</div> <div>740</div> </div> </div>		
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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605803A Technical Information Activities				PROJECT M720		
COST (In Thousands)	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
M720 Technical Information Functional Activities	2761	2948	2872	2929	2997	3064	3308	3509	Continuing	Continuing
<p><u>Mission Description and Justification:</u> Technology transfer activities to support acquisition, storage, and utilization of technical information for both military and domestic applications. Activities supported are: Army participation in the Defense Technical Information Center (DTIC) Work Unit Information Summary (WUIS) database; Army support for the Federated Laboratory Consortium (FLC); the Army Science Board; administration of the Army's Small Business Innovation Research (SBIR) and Small Business Technology Transfer Pilot Program (STTR) in accordance with the "Small Business Research and Development Enhancement Act of 1992". These costs are funded here because the Act prohibits use of PE 0605502A for funding administrative costs, studies and analyses to support the Acquisition Corps acquisition and retention of scientists and engineers and improvement of productivity of laboratories and centers. Technology transfer activities make technical information available to both the public and private sectors to reduce duplication in R&D programs and to increase competitiveness in the U.S. business community. In addition, this project provides funding for patent fees and patent legal expenses for all U. S. Army Materiel Command (AMC) subordinate commands and laboratories. The requirement to fund this effort is a result of the Omnibus Budget Reconciliation Act requiring the U. S. Patent and Trademark Office to become a completely user-fee funded agency.</p> <p>FY 1998 Accomplishments:</p> <ul style="list-style-type: none"> • 2761 - Provided managerial, programming, database, clerical and personnel support to process, store, control and report the WUIS on DD1498's. <ul style="list-style-type: none"> - Provided Army funding support for FLC as required by Public Law 99-502. - Provided administrative, contractual and travel support for the ASB. - Provided administrative support for SBIR/STTR programs. - Provided Army Science and Technology Reports. - Provided funding for patent fees and patent legal expenses for AMC commands and laboratories. - Provided funding for Army Science and Technology Summer Study and awards. - Provided funding for support of the Government/Industry Data Exchange Program (GIDEP). - Conducted technology seminar game. <p>Total 2761</p> <p>FY 1999 Planned Program:</p> <ul style="list-style-type: none"> • 2877 - Provide managerial, programming, database, clerical and personnel support to process, store, control and report the WUIS, 1498's. <ul style="list-style-type: none"> - Provide Army funding support for FLC as required by Public Law 99-502. - Provide administrative and contractual support for the ASB. - Provide administrative support for SBIR/STTR programs. - Provide Army Science and Technology Reports. 										
Project M720			Page 7 of 18 Pages				Exhibit R-2A (PE 0605803A)			

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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)		DATE February 1999
BUDGET ACTIVITY 6 - Management and Support	PE NUMBER AND TITLE 0605803A Technical Information Activities	PROJECT M720
<p>FY 1999 Planned Program (continued):</p> <ul style="list-style-type: none"> - Provide funding for patent fees and patent legal expenses for AMC commands and laboratories. - Provide funding for Army Science and Technology Summer Study and awards. - Provide funding for support of GIDEP. • 71 - Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs <p>Total 2948</p> <p>FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • 2872 - Provide managerial, programming, database, clerical and personnel support to process, store, control and report the WUIS, 1498's. - Provide Army funding support for FLC as required by Public Law 99-502. - Provide administrative and contractual support for the ASB. - Provide administrative support for SBIR/STTR programs. - Provide Army Science and Technology Reports. - Provide funding for patent fees and patent legal expenses for AMC commands and laboratories. - Provide funding for Army Science and Technology Summer Study and awards. - Provide funding for support of GIDEP. <p>Total 2872</p> <p>FY 2001 Planned Program:</p> <ul style="list-style-type: none"> • 2929 - Provide managerial, programming, database, clerical and personnel support to process, store, control and report the WUIS, 1498's. - Provide Army funding support for FLC as required by Public Law 99-502. - Provide administrative and contractual support for the ASB. - Provide administrative support for SBIR/STTR programs. - Provide Army Science and Technology Reports. - Provide funding for patent fees and patent legal expenses for AMC commands and laboratories. - Provide funding for Army Science and Technology Summer Study and awards. - Provide funding for support of GIDEP. <p>Total 2929</p>		
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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605803A Technical Information Activities				PROJECT M727		
<i>COST (In Thousands)</i>	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
M727 Technical Information Activities	3353	2753	2941	3104	3120	3174	3443	3646	Continuing	Continuing

Mission Description and Justification: This project supports development of decision aids, databases, and automation support for the management and execution of the Army Research, Development, Test and Evaluation (RDTE) Appropriation. It includes the hardware, software and contractor support required to develop and implement a set of management decision aids, databases, and hardware/software tools to support technical and budgetary decisions at the Office, Secretary of Defense (OSD), Department of the Army (DA), Corps of Engineers, Army Materiel Command (AMC) and Army Research Laboratory. This project includes support of the Acquisition Management Integration Subgroup (AMIS) dealing with acquisition management systems.

FY 1998 Accomplishments:

- 3353 - S&T database computer engineering support contract.
- Supported Army S&T strategic planning, analysis, and prioritization.
- Supported to AMC database and Defense Reliance management.
- Provided guidance and policy relative to the content, utilization, and requirements of current and future acquisition management systems for AMIS.

Total 3353

FY 1999 Planned Program:

- 2684 - S&T database computer engineering support contract.
- Support to Army S&T strategic planning, analysis, and prioritization.
- Support to AMC database and Defense Reliance management.
- Provide guidance and policy relative to the content, utilization, and requirements of current and future acquisition management systems for AMIS.
- 69 - Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs

Total 2753

FY 2000 Planned Program:

- 2941 - S&T database computer engineering support contract.
- Support to Army S&T strategic planning, analysis, and prioritization.
- Support to AMC database and Defense Reliance management.

Total 2941

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BUDGET ACTIVITY 6 - Management and Support	PE NUMBER AND TITLE 0605803A Technical Information Activities	PROJECT M727
<p>FY 2001 Planned Program:</p> <ul style="list-style-type: none">• 3104 - S&T database computer engineering support contract. - Support to Army S&T strategic planning, analysis, and prioritization. - Support to AMC database and Defense Reliance management. <p>Total 3104</p>		
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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605803A Technical Information Activities				PROJECT M729		
COST <i>(In Thousands)</i>	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
M729 Youth Science Activities	2111	2075	2230	2267	2310	2349	2512	2609	Continuing	Continuing

Mission Description and Justification: Supports science activities to encourage over 100,000 high school youths to develop interest and achieve higher levels in science, engineering, and mathematics. These activities are consolidated within this program to "present the Army" to a potential pool of technical talent to fill future Army needs. No other program fulfills this long-range Army goal. The joint Army/Navy Washington regional area Science and Engineering Apprenticeship Program (SEAP) has been included in the overall effort. This provides an eight-week hands-on learning experience for high school students working with bench level scientists within Army laboratories in hopes of encouraging more of them to enter scientific fields of study in the future. This program enhances the National Laboratory Science and Engineering pool, which in turn supports Defense, industry, and laboratory needs.

FY 1998 Accomplishments:

- 2111 - Fostered high school student interest in science, mathematics, engineering and computer science, nationally, by sponsoring: JSHS, IMO, and REAP.
- Joint Army/Navy Washington Regional Area SEAP and increased Army Laboratory/RDE Center sponsorship of students.
- Special tutorial programs for Native Americans, African Americans, and Spanish-speaking Americans designed to increase their chances of attending and completing engineering and/or science curriculum at the university level.
- West Point cadet research internship program to enhance cadet training through field experience within Army research laboratories and centers.

Total 2111

FY 1999 Planned Program:

- 2020 - Foster high school student interest in science, mathematics, engineering and computer science, nationally, by sponsoring: JSHS, IMO, and REAP.
- Joint Army/Navy Washington Regional Area SEAP and increase Army Laboratory/RDE Center sponsorship of students.
- Special tutorial programs for Native Americans, African Americans, and Spanish-speaking Americans designed to increase their chances of attending and completing engineering and/or science curriculum at the university level.
- West Point cadet research internship program to enhance cadet training through field experience within Army research laboratories and centers.
- 55 - Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs

Total 2075

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BUDGET ACTIVITY 6 - Management and Support	PE NUMBER AND TITLE 0605803A Technical Information Activities	PROJECT M729
<p>FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • 2230 - Foster high school student interest in science, mathematics, engineering and computer science, nationally, by sponsoring: JSHS, IMO, and REAP. - Joint Army/Navy Washington Regional Area SEAP and increase Army Laboratory/RDE Center sponsorship of students. - Special tutorial programs for Native Americans, African Americans, and Spanish-speaking Americans designed to increase their chances of attending and completing engineering and/or science curriculum at the university level. - West Point cadet research internship program to enhance cadet training through field experience within Army research laboratories and centers. <p>Total 2230</p> <p>FY 2001 Planned Program:</p> <ul style="list-style-type: none"> • 2267 - Foster high school student interest in science, mathematics, engineering and computer science, nationally, by sponsoring: JSHS, IMO, and REAP. - Joint Army/Navy Washington Regional Area SEAP and increase Army Laboratory/RDE Center sponsorship of students. - Special tutorial programs for Native Americans, African Americans, and Spanish-speaking Americans designed to increase their chances of attending and completing engineering and/or science curriculum at the university level. - West Point cadet research internship program to enhance cadet training through field experience within Army research laboratories and centers. <p>Total 2267</p>		
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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605803A Technical Information Activities					PROJECT M735	
COST (In Thousands)	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
M735 Net Assessment Directorate	0	795	773	769	767	764	780	797	Continuing	Continuing

Mission Description and Justification: The Net Assessment Directorate develops and coordinates net assessments of the standing, trends, and future prospects of U.S. military capabilities and military potential in comparison with those of other countries or groups of countries so as to identify emerging or future threats or opportunities for the United States. This includes, as required, net assessments of: (1) current and projected U.S. and foreign military capabilities by theater, region, function, or mission; and (2) specific current and projected U.S. and foreign capabilities, operational tactics, doctrine, and major categories of weapon systems. The Directorate provides for the preparation of net assessments by the Chairman of the Joint Chiefs of Staff; develops, advises, and consults on the net assessment portion of the Annual Report of the Secretary of Defense to the President and Congress; provides guidance and staff assistance in the development of national net assessments by the National Security Council and acts as the primary Office of the Secretary of Defense (OSD) focal point for joint efforts with the Intelligence Community to produce net assessments; and provides support for the improvement and development of net assessments within the Department of Defense.

FY 1998 Accomplishments: Program funded by a DOD appropriation.

FY 1999 Planned Program:

- 774 Develop net assessments and identify problems and/or opportunities for DoD in the following areas:
 - Net assess the role of space systems in future military competition and conflict, including the reliance of US and foreign military operations on space assets, the likely effectiveness of and countermeasures to those assets, and the changing military roles of US and foreign space systems.
 - Net assess the future US power projection as challenged by the development of anti-access capabilities of potential adversaries, including the impact of changing technology, possible new force structures and concepts of operations, and alternative kinds and degrees of adversary capability.
 - Continue to investigate the prospect of an emerging Revolution in Military Affairs, including assessment of foreign country military writings, research, and procurement for indications of the development and direction of revolutionary changes in military capability; investigate issues involved in revolutionary transformation of US military; support US military programs investigating promising military innovations.
- 21 - Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs

Total 795

FY 2000 Planned Program:

- 773 -Build on analyses accomplished in FY 1999 and/or identify additional topics for net assessment based on their prioritization by DoD leadership. Possible areas of analysis include Asian military competition; information warfare; non-nuclear strategic warfare; weapons of mass destruction and defenses against them; changing patterns of global energy markets.

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<p>FY 2000 Planned Program: (continued)</p> <p>-Develop functional assessments of the emerging balance of powers in what appear to be key future warfare areas; regional assessments where changing geopolitical circumstances warrant; and/or assessment of special topics that bear on future political studies of the future security environment.</p> <p>-Continue investigation to understand US and foreign progress in a Revolution in Military Affairs.</p> <p>Total 773</p> <p>FY 2001 Planned Program:</p> <ul style="list-style-type: none"> • 769 -Continue to build on existing assessments or develop new areas of analysis, including some of the candidates listed in the FY 2000 program. <p>Total 769</p>		
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BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605803A Technical Information Activities				PROJECT D730		
COST <i>(In Thousands)</i>	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
D730 Personnel and Training Analysis Activities	1755	2062	2060	2199	2244	2292	2406	2481	Continuing	Continuing

Mission Description and Justification: This project provides for the application of behavioral science-based analytical technologies by the U.S. Army Research Institute (ARI) for the Behavioral and Social Sciences to current and near-term soldier-related issues. The program is focused on policy issues to enhance soldier performance, and provides the Army a unique capability for addressing such issues as the effects of training on individual and unit readiness, the personnel costs of alternative force structures and the effects of a smaller Army on retention and readiness of quality soldiers. Requirements for studies and analyses for critical personnel and training issues of immediate importance are solicited on an annual basis.

FY 1998 Accomplishments:

- 1755 - Derived the information requirements for trainers to control force-on-force simulated battles, and provided the most beneficial feedback to units.
- Determined the Force XXI leader training requirements for aviation battle staffs.
- Developed method for selection of vehicle drivers to improve safety.
- Determined situations when subject-matter-expert ratings of training effectiveness can be substituted for resource-intensive field trials.
- Assessed how deleting sub-tests from the ASVAB impacts gender fairness.
- Analyzed functional requirements for an Enlisted Personnel Allocation System.

Total 1755

FY 1999 Planned Program:

- 2013 - Identify impact of force modernization on requirements for live fire exercises.
- Guidelines for integrating training development activities across schools and distributed training environments.
- Analyze feasibility of implementing a centralized training analysis and feedback system to support exercises at separate sites simultaneously.
- Survey and assess soldier's access to distance learning technology.
- Determine operational requirements for implementing Enlisted Personnel Allocation System.
- Assess the relationship of in-Service education to attrition, retention, and career progression.
- 49 - Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs.

Total 2062

FY 2000 Planned Program:

- 2062 - Analyze issues identified by Training and Doctrine Command (TRADOC).
- Conduct studies on personnel issues identified by the Chief of Staff of the Army (CSA) and Deputy Chief of Staff for Personnel (DCSPER).

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PROJECT D730		
Total	2062	
FY 2001 Planned Program: <ul style="list-style-type: none"> 2199 - Analyze issues identified by Training and Doctrine Command (TRADOC). 2199 - Conduct studies on personnel issues identified by the Chief of Staff of the Army (CSA) and Deputy Chief of Staff for Personnel (DCSPER). 		
Total	2199	
<div>Project D730</div> <div>Page 16 of 18 Pages</div> <div>Exhibit R-2A (PE 0605803A)</div>		

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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)								DATE February 1999		
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0605803A Technical Information Activities				PROJECT M733		
<i>COST (In Thousands)</i>	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
M733 Acquisition Technology Act	2766	1961	1717	1678	1525	1507	1965	1962	Continuing	Continuing

Mission Description and Justification: This project provides for the engineering of Army acquisition process improvement through the application of decision support and expert information systems. This project provides funds to conduct analysis and evaluation of alternative acquisition strategies using techniques such as value-added analysis. Supports integrated management activities such as Horizontal Technology Integration and Army Ballistic Missile Defense. This project also provides an environment for the analysis and evaluation of new information technologies, concepts and applications in support of the Army acquisition community's dynamic requirements and for the engineering of Army acquisition process improvement through the application of decision support and expert information systems.

FY 1998 Accomplishments:

- 2766 - Developed simulation and logical modeling test and evaluation environment that provided a prototype development tool in support of technology base initiatives, and beta test selected modules.
- Validated application programs and user interface utilities for executive level information systems that offered SQL services to AAC corporate and global databases.
- Analyzed acquisition program financial programming and budgeting requirements. Continued development of Weapon Systems Handbook, Analytic/Technical Support for Army Support for Army Science and Technology Programs, Long-Range Planning and Policy Analysis, Resource Allocation Analysis, Cost Tracking and Analysis, Cost-Effectiveness and Database Management/Financial Analysis, SAR Technology Application Concept Research/Analysis.

Total 2766

FY 1999 Planned Program:

- 1909 - Validate simulation and logical modeling test and evaluation environment that provides a prototype development tool in support of technology base initiatives.
- Distribute and beta test application programs and user interface utilities for executive level information systems that offer Standard Query Language (SQL) services to AAC corporate and global databases.
- Analyze acquisition program financial programming and budgeting requirements. Continue development of Weapon Systems Handbook, Analytic/Technical Support for Army Support for Army Science and Technology Programs, Long-Range Planning and Policy Analysis, Resource Allocation Analysis, Cost Tracking and Analysis, Cost-Effectiveness and Database Management/Financial Analysis, SAR Technology Application Concept Research/Analysis.
- 52 - Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs

Total 1961

Project M733

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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)		DATE February 1999
BUDGET ACTIVITY 6 - Management and Support	PE NUMBER AND TITLE 0605803A Technical Information Activities	PROJECT M733
<p>FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • 1717 - Validate simulation and logical modeling test and evaluation environment that provides a prototype development tool in support of technology base initiatives. - Distribute and beta test application programs and user interface utilities for executive level information systems that offer Standard Query Language (SQL) services to AAC corporate and global databases. - Analyze analysis of acquisition program financial programming and budgeting requirements. Continue development of Weapon Systems Handbook, Analytic/Technical Support for Army Support for Army Science and Technology Programs, Long-Range Planning and Policy Analysis, Resource Allocation Analysis, Cost Tracking and Analysis, Cost-Effectiveness and Database Management/Financial Analysis, SAR Technology Application Concept Research/Analysis. <p>Total 1717</p> <p>FY 2001 Planned Program:</p> <ul style="list-style-type: none"> • 1678 - Validate simulation and logical modeling test and evaluation environment that provides a prototype development tool in support of technology base initiatives. - Distribute and beta test application programs and user interface utilities for executive level information systems that offer Standard Query Language (SQL) services to AAC corporate and global databases. - Analyze acquisition program financial programming and budgeting requirements. Continue development of Weapon Systems Handbook, Analytic/Technical Support for Army Support for Army Science and Technology Programs, Long-Range Planning and Policy Analysis, Resource Allocation Analysis, Cost Tracking and Analysis, Cost-Effectiveness and Database Management/Financial Analysis, SAR Technology Application Concept Research/Analysis. <p>Total 1678</p>		
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